



MICROGEN  
BIOPRODUCTS

## Microgen

Microgen Bioproducts 在為臨床和食品實驗室開發、製造和分銷高質量診斷產品方面擁有 20 多年的經驗，支持醫療保健提供者改善患者健康。

GN ID	蘭氏陰性桿菌腸內菌及弧菌鑑定套組
Strep-ID	革蘭氏陽性鏈球菌、腸球菌鑑定套組
Staph-ID	革蘭氏陽性葡萄球菌鑑定套組
Listeria-ID	革蘭氏陽性桿菌李斯特菌鑑定套組
Bacillus- ID	嗜氧性革蘭氏陽性芽孢桿菌鑑定套組
	細菌免疫血清鑑定套組
	沙門氏菌、弧菌、大腸桿菌抗血清分型



## Microgen GN-ID

# 革蘭氏陰性桿菌腸內菌及弧菌鑑定套組

Microgen 細菌生化鑑定套組，榮獲 AOAC 認證品質為產業界的標竿，依照 USP 61 & 62 限量試驗，針對 *Echerichia coli*, *Pseudomonas aeruginosa*, *Salmonella* 可使用 GNA ID & GNB ID 即可簡單地完成鑑定的工作；特別弧菌屬，雖困難鑑定，但透過 Microgen GN A+B 系，亦可鑑定出 11 個弧菌 species。

Microgen 細菌生化鑑定套組是產業、臨床、藥廠、生技公司的最愛，不僅是 AOAC 認證的保障，TPM 提供完整原廠授權的電腦密碼鑑定軟體，是認證 ISO 稽核重要參考文件，產品銷售專員完整的技術支援與服務，是您實驗室信賴的夥伴。

### Microgen™ GNA ID

WELL	1	2	3	4	5	6	7	8	9	10	11	12	7
Reaction	Lvsine	Ornithine	H <sub>2</sub> S	Glucose	Mannitol	Xylose	O.N.P.G	Indole	Urease	V.P	Citrate	T.D.A	Nitrate
Negative													
Positive													

### Microgen™ GNB ID

WELL	13	14	15	16	17	18	19	20	21	22	23	24	24
Reaction	Gelatin	Malonate	Inositol	Sorbitol	Rhamnose	Sucrose	Lactose	Arabinose	Adonitol	Raffinose	Salicin	T.D.A	
Negative													
Positive													

- |                          |                            |                         |                           |                           |                       |
|--------------------------|----------------------------|-------------------------|---------------------------|---------------------------|-----------------------|
| <i>Acinetobacter</i> (3) | <i>Ewingella</i> (1)       | <i>Pragia</i> (1)       | <i>Trabulsiella</i> (1)   | <i>Actinobacillus</i> (1) | <i>Shewanella</i> (1) |
| <i>Budvicia</i> (1)      | <i>Hafnia</i> (2)          | <i>Pantoea</i> (1)      | <i>Xenorhabdus</i> (1)    | <i>Aeromonas</i> (3)      | <i>Vibrio</i> (11)    |
| <i>Butiauxella</i> (7)   | <i>Klebsiella</i> (6)      | <i>Photorhabdus</i> (2) | <i>Xanthomonas</i>        | <i>Alcaligenes</i> (3)    | <i>Weeksella</i> (2)  |
| <i>Cedecea</i> (5)       | <i>Kluyvera</i> (4)        | <i>Proteus</i> (4)      | <i>(Stenotrophomonas)</i> | <i>Burkholderia</i> (2)   |                       |
| <i>Citrobacter</i> (11)  | <i>Leclercia</i> (1)       | <i>Providencia</i> (5)  | <i>Yersinia</i> (11)      | <i>Flavobacterium</i> (4) |                       |
| <i>Edwardsiella</i> (4)  | <i>Leminorella</i> (2)     | <i>Rahnella</i> (1)     | <i>Yokenella</i> (1)      | <i>Moraxella</i> (1)      |                       |
| <i>Enterobacter</i> (15) | <i>Moellerella</i> (1)     | <i>Salmonella</i> (12)  | <i>Enteric</i> (7)        | <i>Pasteurella</i> (2)    |                       |
| <i>Escherichia</i> (6)   | <i>Morganella</i> (4)      | <i>Serratia</i> (10)    | 藍色為氧化酶陰性                  | <i>Plesiomonas</i> (1)    | 橘色為氧化酶陽性              |
| <i>Shigella</i> (4)      | <i>Obesumbacterium</i> (1) | <i>Tatumella</i> (1)    |                           | <i>Pseudomonas</i> (6)    |                       |

#### 產品代碼

GNA MID-64CE	腸內菌及弧菌鑑定套組	60 次測試
GNB MID-65CE	腸內菌及弧菌鑑定套組	25 次測試
MID-644CE	Microgen GN A+B	30 次測試

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## Microgen Strep-ID

### 革蘭氏陽性鏈球菌、腸球菌鑑定套組

- 專為鏈球菌、腸球菌和相關物種測試用。
- 簡單易用，針對台灣水產養殖內人含，*S.iniae* 資料庫可被鑑定。
- 24 小時內出結果。
- 明確區分出腸球菌屬。

#### 產品代碼

MID-62CE 鏈球菌、腸球菌鑑定套組 20 次測試

WELL	1 to 6	7	8	9 to 10	11	12	
Reaction	Carbohydrate Fermentation	Esculin	Voges Proskauer	PHS, $\beta$ GA	PYR	Arginine	Hippurate
Negative							
Positive							

#### 菌種

##### ***Streptococcus spp.***

*S. acidominimus*  
*S. agalactiae*  
*S. anginosus/intermedius*  
*S. bovis*  
*S. canis*  
*S. constellatus*  
*S. dysgalactiae* subsp. *dysgalactiae*  
*S. dysgalactiae* subsp. *equisimilis*  
*S. equi* subsp. *equi*  
*S. equi* subsp. *zooepidemicus*  
*S. equinus*  
*S. gordonii* biovar 1  
*S. gordonii* biovar 2  
*S. gordonii* biovar 3  
*S. intermedius/anginosus*  
*S. iniae*  
*S. mitis* biovar 1  
*S. mitis* biovar 2  
*S. mutans*  
*S. mutans*

*S. oralis*  
*S. parasanguinis*  
*S. pneumoniae*  
*S. porcinus*  
*S. pyogenes*  
*S. salivarius*  
*S. sanguinis* biov 1  
*S. sanguinis* biov 2  
*S. sanguinis* biov 3  
*S. sanguinis* biov 4  
*S. suis*  
*S. uberis*  
*S. vestibularis*

##### ***Enterococcus spp.***

*E. avium*  
*E. casseliflavus*  
*E. cecorum*  
*E. dispar*  
*E. durans*  
*E. faecalis*

*E. faecium*  
*E. gallinarum*  
*E. hirae*  
*E. mundtii*  
*E. raffinosus*

##### ***Gemella spp.***

*G. haemolysans*

#### 其他相關試劑

MID61A Nitrate A reagent  
MID61B Nitrate B reagent  
MID61C VP I reagent  
MID61D VP II reagent  
MID61E TDA reagent  
MID61F Indole Kovacs reagent  
MID61G Oxidase strips  
MID61H Mineral oil  
MID61K PYR reagent



## Microgen Staph-ID 革蘭氏陽性葡萄球菌鑑定套組

- 只需要 12 wells 生化反應，大幅減少實驗操作項目。
- 適用於臨床、食品工業或獸醫樣品。
- 可用於鑑定來自食物或環境來源的分離物。
- 利用常規生化反應基質。
- 操作容易，簡單好上手。
- 在 24 小時內，檢測出結果。

### 產品代碼

MID-69CE 革蘭氏陽性葡萄球菌鑑定套組 20 次測試

WELL	1 to 6	7	8	9	9a	10	12	12
Reaction	Carbohydrate Fermentation	PHS	$\beta$ GL	$\beta$ GN	( $\beta$ GN) Nitrate	Urease	Arginine	PYR
Negative								
Positive	 	 	 	 	 	 	 	 

### 菌種

#### ***Staphylococcus spp.***

- S. aureus subsp. aureus
- S. aureus subsp. anaerobius
- S. auricularis
- S. caprae
- S. capitis subsp. capitis
- S. capitis subsp. urealyticus
- S. carnosus
- S. chromogenes
- S. cohnii subsp. cohnii
- S. cohnii subsp. urealyticum
- S. epidermidis
- S. haemolyticus
- S. hominis subsp. hominis
- S. hominis subsp. novobiosepticus
- S. hyicus
- S. intermedius
- S. lentus
- S. lugdenensis

#### *S. saccharolyticus*

- S. saprophyticus
- S. schleiferi subsp. schleiferi
- S. schleiferi subsp. coagulans
- S. sciuri
- S. simulans
- S. warneri
- S. xylosus

#### ***Kocuria spp.***

- K. kristinae
- K. rosea
- K. carniphila

#### ***Kytococcus spp.***

- Ky. sedentarius

#### ***Micrococcus spp.***

- M. luteus
- M. lylae

#### 其他相關試劑

- MID61A Nitrate A reagent
- MID61B Nitrate B reagent
- MID61C VP I reagent
- MID61D VP II reagent
- MID61E TDA reagent
- MID61F Indole Kovacs reagent
- MID61G Oxidase strips
- MID61H Mineral oil
- MID61K PYR reagent









## Microgen Listeria-ID

### 革蘭氏陽性桿菌李斯特菌鑑定套組

- 鑑定系統套組，內含反應試劑，不需另外購買。
- 所有醱類生化反應，遵循國際 ISO 標準。
- 內建溶血反應，無需填購含血培養基。

#### 菌種

- Listeria monocytogenes*
- Listeria welshimeri*
- Listeria ivanovii*
- Listeria innocua*
- Listeria grayi*
- Listeria seeligeri*

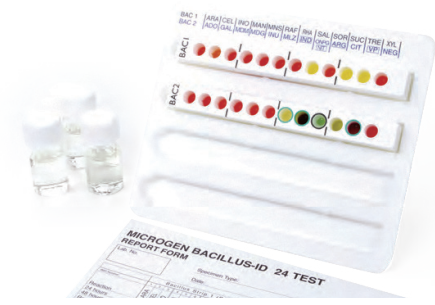
WELL	1	2 to 11	12
Reaction	Escuin Hydrolysis	Carbohydrate Fermentation	Haemolysin
Negative			
Positive			

#### 產品代碼

MID-69CE 李斯特菌鑑定套組 20 次測試

## Microgen 細菌鑑定試劑使用參考表

	VP I	VP II	Indole	TDA	Nitrate A	Nitrate B	Vitrate C	PYR	Ninhydrin	礦物油
腸內菌鑑定套組	YES	YES	YES	YES						YES
腸內菌弧菌鑑定套組	YES	YES	YES	YES	YES	YES	YES			YES
嗜中溫芽孢桿菌鑑定套組	YES	YES	YES		YES	YES	YES			YES
李斯特菌鑑定套組										
葡萄球菌鑑定套組					YES	YES	YES	YES		YES
鏈球菌鑑定套組	YES	YES						YES	YES	YES



## Microgen Bacillus-ID

# 嗜氧性革蘭氏陽性芽孢桿菌鑑定套組

- 鑑定 24 種生化反應，48 小時內判讀出結果。
- 適用於芽孢桿菌檢測。
- 需配合 Microgen ID 鑑定系統。

### 產品代碼

MID-66 嗜氧性革蘭氏陽性芽孢桿菌 20 次測試

WELL	24	1 to 18	1 to 18	19	20	21	22	23	(20) Plus reagents
Reaction	Carbohydrate Negative Control 24/48 hours	Carbohydrate Fermentation 24 hours(*)	Carbohydrate Fermentation 48 hours(*)	Indols 48 hours	O.N.P.G. 24/48 hours	Arginine 24/48 hours	Citrate 24/48 hours	VP 48 hours	Nitrate 48 hours
Carbohydrate Negative (Well 24(*))									
Positive									

### 菌種

#### *Bacillus species*

- B. cereus group
- B. amyloliquefaciens
- B. badius
- B. circulans
- B. coagulans
- B. firmus
- B. freudenreichii
- B. globisporus
- B. insolitus
- B. laevolacticus
- B. lentus
- B. licheniformis
- B. megaterium
- B. pumilus
- B. sphaericus
- B. subtilis
- B. thiaminolyticus

#### *Brevibacillus species*

- Br. brevis
- Br. laterosporus

#### *Paenibacillus species*

- P. alvei
- P. macerans
- P. polymyxa

#### 其他相關試劑

- MID61A Nitrate A reagent
- MID61B Nitrate B reagent
- MID61C VP I reagent
- MID61D VP II reagent
- MID61E TDA reagent
- MID61F Indole Kovacs reagent
- MID61G Oxidase strips
- MID61H Mineral oil
- MID61K PYR reagent





來自英國的 MICROGEN 承襲英國人的傳統：沉穩洗鍊，謹慎周詳的研發與設計，採用專業免疫純化技術，不僅在敏感性得到傑出的表現，專一性更優於傳統多價抗血清。針對臨床與獸醫、食品、環境微生物的病原菌推出乳膠快速凝集套組。讓複雜的鑑定與確認試驗得以簡化，只要一分鐘即可得到確定，尤其針對 USP 61 & 62 之 *Staphylococcus aureus* 及 *Salmonella* 繼代培養後追加鑑定特別簡易。



**C. difficile** 困難梭狀芽孢桿菌

產品編號 M41CE

Microgen C. difficile - a rapid and simple latex slide agglutination test for identification of C. difficile

Package 50 tests/kit



**Legionella** 退伍軍人桿菌血清分型

產品編號 M45CE

Microgen Legionella - a rapid latex slide agglutination 50 tests for the confirmatory identification of L. pneumophila serogroup 1 and serogroup 2- 15 and non- L. pneumophila species of clinical significance grown on selective media

Package 50 tests/kit



**Salmonella** 沙門氏桿菌

產品編號 F42

Microgen Salmonella - A rapid, latex slide agglutination test for the presumptive identification of Salmonella in selective and/or enrichment cultures or isolates taken directly from selective agars

Recommended for food testing.  
Package 50 tests/kit



**Campylobacter** 彎曲桿菌

產品編號 M46CE

Microgen Campylobacter - A rapid latex slide agglutination test for enteropathogenic Campylobacter grown in enrichment broths or on selective plates. Kit contains sufficient buffer for stool testing. Recommended for clinical use.

Package 50 tests/kit



**Staph** 金黃色葡萄球菌

產品編號 M43CE

Microgen Staph - A rapid latex slide agglutination test for the identification of Staphylococcus aureus from primary plate culture.

Detects coagulase and protein A

Package 500 tests/kit



**Strep.** 鏈球菌血清分型

產品編號 M47CE

Microgen Strep. - A series of latex agglutination reagents specific for groups ABCDF&G giving rapid detection and identification of the extracted antigens. Included in the kit is an enzyme reagent for rapid extraction of the carbohydrate antigens

Package 50 tests/kit



**Staph** 金黃色葡萄球菌

產品編號 M433CE

Microgen Staph - A rapid latex slide agglutination test for the identification of Staphylococcus aureus from primary plate culture.

Detects coagulase and protein A

Package 100 tests/kit



**Listeria** 李斯特菌屬

產品編號 F48

Microgen Listeria - a rapid slide latex test for the identification of motile Listeria spp. On solid selective media.

Recommended for food testing.

Package 50 tests/kit



**E. coli O157** 大腸桿菌 O157

產品編號 M44

Microgen E. coli O157 - A rapid latex slide agglutination test for identifying E. coli O157 grown on selective medium.

Package 50 tests/kit



## 細菌分型抗血清

**Microgen** 抗血清分型符合 ISO 條件生產，並完全配合世界衛生組織檢測計劃的要求。是高品质、高质量的分型血清，準確並有效地識別和分型沙門氏菌、大腸桿菌和霍亂弧菌。

### 沙門氏菌抗血清

#### O Polyvalent Antisera

Salmonella O Polyvalent A-S  
 Salmonella O Polyvalent A-I  
 Salmonella OMA : A+B+D+E+L  
 Salmonella OMB : C+F+G+H  
 Salmonella OMC : 16+17+18+28+30+35+38  
 Salmonella OMD : 39+40+41+42+43+44+45  
 Salmonella OME : 47+48+50+51+52+53+61  
 Salmonella OMF : 54+55+56+57+58+59  
 Salmonella OMG : 60+62+63+65+66+67

#### O Group Antisera

Salmonella O Group A (O:1,2,12)  
 Salmonella O Group B (O:4,5,27)  
 Salmonella O Group C (O:6,7,8,14,20)  
 Salmonella O Group D (O:9,46)  
 Salmonella O Group E (O:3,10,15,19,34)  
 Salmonella O Group F (O:11)  
 Salmonella O Group G (O:13,22,23)  
 Salmonella O Group H (O:6,14,24)  
 Salmonella O Group I (O:16)  
 Salmonella O Group J (O:17)  
 Salmonella O Group K (O:18)  
 Salmonella O Group L (O:21)  
 Salmonella O Group M (O:28)  
 Salmonella O Group N (O:30)  
 Salmonella O Group O (O:35)  
 Salmonella O Group P (O:38)  
 Salmonella O Group Q (O:39)  
 Salmonella O Group R (O:40)  
 Salmonella O Group S (O:41)  
 Salmonella O Group T (O:42)  
 Salmonella O Group U (O:43)  
 Salmonella O Group V (O:44)

Salmonella O Group W (O:45)  
 Salmonella O Group X (O:47)  
 Salmonella O Group Y (O:48)  
 Salmonella O Group Z (O:50)  
 Salmonella O Group 51  
 Salmonella O Group 52  
 Salmonella O Group 53  
 Salmonella O Group 55  
 Salmonella O Group 56  
 Salmonella O Group 57  
 Salmonella O Group 58  
 Salmonella O Group 59  
 Salmonella O Group 60  
 Salmonella O Group 61  
 Salmonella O Group 62  
 Salmonella O Group 63  
 Salmonella O Group 65  
 Salmonella O Group 66  
 Salmonella O Group 67

#### O Factor Antisera

Salmonella O : 1  
 Salmonella O : 2  
 Salmonella O : 4  
 Salmonella O : 5  
 Salmonella O : 61  
 Salmonella O : 62  
 Salmonella O : 7 (C<sub>1</sub>)  
 Salmonella O : 8 (C<sub>2</sub>)  
 Salmonella O : 9 (D<sub>1</sub>)  
 Salmonella O : 10 (E<sub>1</sub>)  
 Salmonella O : 12  
 Salmonella O : 14 (C<sub>4</sub>)  
 Salmonella O : 15 (E<sub>2</sub>)

Salmonella O : 19 (E<sub>4</sub>)  
 Salmonella O : 20 (C<sub>3</sub>)  
 Salmonella O : 22 (G<sub>1</sub>)  
 Salmonella O : 23 (G<sub>2</sub>)  
 Salmonella O : 25  
 Salmonella O : 27  
 Salmonella O : 34 (E<sub>3</sub>)  
 Salmonella O : 46 (D<sub>2</sub>)

#### Salmonella Vi Antisera

Salmonella Vi

#### Salmonella H Antisera

##### H Polyvalent Antisera

Salmonella Polyvalent H (Phase 1 & 2)  
 Salmonella HMA :  
 Salmonella HMB :  
 Salmonella HMC :  
 Salmonella HMD :  
 Salmonella HME :

Salmonella HMF  
 Salmonella H : 1 complex :  
 Salmonella H : E complex :  
 Salmonella H : G complex :  
 Salmonella H : L complex :  
 Salmonella H : Z4 complex :

##### H Phase Antisera

Salmonella H : a  
 Salmonella H : b  
 Salmonella H : c  
 Salmonella H : d  
 Salmonella H : i  
 Salmonella H : k  
 Salmonella H : r



Salmonella H : y  
Salmonella H : z  
Salmonella H : Z<sub>6</sub>  
Salmonella H : Z<sub>10</sub>  
Salmonella H : Z<sub>29</sub>  
Salmonella H : Z<sub>35</sub>  
Salmonella H : Z<sub>36</sub>  
Salmonella H : Z<sub>38</sub>  
Salmonella H : Z<sub>39</sub>  
Salmonella H : Z<sub>41</sub>  
Salmonella H : Z<sub>42</sub>  
Salmonella H : Z<sub>44</sub>  
Salmonella H : Z<sub>52</sub>  
Salmonella H : Z<sub>53</sub>  
Salmonella H : Z<sub>54</sub>  
Salmonella H : Z<sub>55</sub>  
Salmonella H : Z<sub>57</sub>  
Salmonella H : Z<sub>60</sub>  
Salmonella H : Z<sub>61</sub>

#### H Factor Antisera

Salmonella H : f  
Salmonella H : g  
Salmonella H : h  
Salmonella H : m  
Salmonella H : n,x  
Salmonella H : p  
Salmonella H : q  
Salmonella H : s  
Salmonella H : t  
Salmonella H : u  
Salmonella H : v  
Salmonella H : w  
Salmonella H : x  
Salmonella H : 2  
Salmonella H : 5  
Salmonella H : 6  
Salmonella H : 7  
Salmonella H : Z<sub>13</sub>  
Salmonella H : Z<sub>15</sub>  
Salmonella H : Z<sub>23</sub>  
Salmonella H : Z<sub>24</sub>  
Salmonella H : Z<sub>28</sub>  
Salmonella H : Z<sub>32</sub>  
Salmonella H : Z<sub>51</sub>

#### H R-Phase Antisera

Salmonella H : Rz27  
Salmonella H : Rz40  
Salmonella H : Rz45  
Salmonella H : Rz59

Salmonella H : Rz66

#### Salmonella Antisera for Phase Inversion (Preserved with Glycerine)

Salmonella H : a  
Salmonella H : b  
Salmonella H : c  
Salmonella H : d  
Salmonella H : e,h  
Salmonella H : e,n,x  
Salmonella H : e,n,Z<sub>15</sub>  
Salmonella H : f,g  
Salmonella H : g,m  
Salmonella H : g,m,s  
Salmonella H : g,p  
Salmonella H : g,p,u  
Salmonella H : g,q  
Salmonella H : g,s,t  
Salmonella H : g,Z<sub>51</sub>  
Salmonella H : i  
Salmonella H : k  
Salmonella H : l,v  
Salmonella H : l,w  
Salmonella H : l,Z<sub>13</sub>  
Salmonella H : l,Z<sub>28</sub>  
Salmonella H : m,t  
Salmonella H : r  
Salmonella H : y  
Salmonella H : z  
Salmonella H : Z<sub>4</sub>,Z<sub>23</sub>  
Salmonella H : Z<sub>4</sub>,Z<sub>24</sub>  
Salmonella H : Z<sub>4</sub>,Z<sub>32</sub>  
Salmonella H : Z<sub>6</sub>  
Salmonella H : Z<sub>10</sub>  
Salmonella H : Z<sub>27</sub>  
Salmonella H : Z<sub>29</sub>  
Salmonella H : Z<sub>35</sub>  
Salmonella H : Z<sub>36</sub>  
Salmonella H : Z<sub>38</sub>  
Salmonella H : Z<sub>39</sub>  
Salmonella H : Z<sub>41</sub>  
Salmonella H : Z<sub>42</sub>  
Salmonella H : Z<sub>44</sub>  
Salmonella H : Z<sub>52</sub>  
Salmonella H : Z<sub>53</sub>  
Salmonella H : Z<sub>54</sub>  
Salmonella H : Z<sub>55</sub>  
Salmonella H : Z<sub>57</sub>  
Salmonella H : Z<sub>59</sub>  
Salmonella H : Z<sub>60</sub>

Salmonella H : Z<sub>61</sub>

#### Salmonella Antisera for Phase Inversion (Preserved with Glycerine)

Salmonella H : Z<sub>66</sub>  
Salmonella H : 1,2  
Salmonella H : 1,5  
Salmonella H : 1,6  
Salmonella H : 1,7  
Salmonella H : Rz<sub>40</sub>  
Salmonella H : Rz<sub>45</sub>

#### 弧菌抗血清

##### Vibrio Cholerae Antisera

Vibrio cholerae O1 Polyvalent  
Vibrio cholerae Inaba  
Vibrio cholerae Ogawa  
Vibrio cholerae O139  
Vibrio cholerae O141

#### 大腸桿菌抗血清

##### E.coli Antisera

E.coli (O & K) Polyvalent I  
E.coli O 25 : K 11  
E.coli O 26 : K 60  
E.coli O 44 : K 74  
E.coli O 55 : K 59  
E.coli O 78 : K 80  
E.coli O 111 : K 58  
E.coli O 114 : K-  
E.coli O 119 : K 69  
E.coli (O & K) Polyvalent II  
E.coli O 86 : K 61  
E.coli O 124 : K 72  
E.coli O 200 : K 70  
E.coli O 126 : K 71  
E.coli O 127 : K 63  
E.coli O 128 : K 67  
E.coli (O & K) Polyvalent III  
E.coli O 18a O 18c : K 77  
E.coli O 20a O 20b : K 84  
E.coli O 28 : K 73  
E.coli O 112a O 112c : K 66  
E.coli O157  
E.coli H7  
E.coli O1 : K1  
E.coli O2

##### Special Products

Salmonella O Group D (O : 9,12)  
Antigen (for S.pullorum)