

Product Information

ST QUAD PC™ Plates (21-200)



Intended Use:

For the phenotype confirmation testing of *S. typhimurium* "Ames" strains.

This plate tests for:

- histidine auxotrophy (*his*⁻),
- sensitivity to crystal violet (*rfa*),
- presence of plasmid pKM101 (Amp^R) and,
- presence of plasmid pAQ1 (Tet^R).

Warnings and Precautions:

For Laboratory Use Only.

Observe aseptic techniques and established precautions against microbiological hazards throughout all procedures.

After use, dispose of all materials according to your institutional biohazard procedures.

Storage:

Upon receipt, store plates at 2 – 8°C.

Procedure:

Using a sterile 10µL inoculating loop or a swab, streak *S. typhimurium* broth culture onto each sector of the plate. If streaking with a swab, remove excess broth against the side of the growth vessel prior to streaking.

Using sterile forceps, apply the supplied crystal violet disc to the center of the streak in Sector 2 (II, B).

Incubate overnight at 37°C.

Expected Results:

Sector		Strain Response		
Designation	Description	TA1535 TA1537 TA1538	TA97a TA98 TA100	TA102
1 (I, A)	MGA + Biotin	-	-	-
2 (II, B)	MGA + Histidine/Biotin	+	+	+
3 (III, C)	MGA + Histidine/Biotin/Ampicillin	-	+	+
4 (IV, D)	MGA + Histidine/Biotin/Ampicillin/Tetracycline	-	-	+

All strains should exhibit a halo around the crystal violet disc (i.e., no growth in the presence of crystal violet).