

qARTA X-Gal/IPTG Spray

for blue-white colony screening

for research and in vitro use only

qARTA•X-Gal/IPTG Spray				
Cat. No.	Size	Description	Storage	Applications
R121	1 x 20 mL	qARTA X-Gal / IPTG ready-to-use spray	4°C to -20°C	Blue-white colony screening in expression studies
R121-S	1 x 5 mL			

Protocol:

1. Use a fume hood, safety glasses, and gloves while using this spray solution.
2. Inside the hood, keep a distance of a few inches between the spray bottle and your plates. Spray about 200µL (3-4 sprays) directly onto each agar plate containing the appropriate antibiotics. This is equivalent to about 1.3 mg each of X-Gal and IPTG per plate.
3. Let the plates dry. Do not lid the plates until they are completely dry and no X-Gal/IPTG solution is visible. If plates are freshly made, it may take up to 15 minutes for them to dry. Otherwise, they may dry in less than 5 minutes.
4. You may now use the plates for blue-white colony screening or the dried plates can be stored at 4°C for later use.

Description

qARTA X-Gal / IPTG spray can be directly sprayed onto agar plates containing the appropriate antibiotics during blue-white colony screening.

Quality Control

Each lot is tested by spraying approximately 200 µL of the X-Gal/IPTG spray onto a 100mm bacterial plate containing 40 mL of LB/Agar media with qARTAcillin as an antibiotic. The plate is then used to conduct blue-white colony screening. Absence of bacterial, spores, fungal, or phage contamination is also confirmed.

Eco-friendly Shipping & Storage

- Shipped at ambient temperature without ice, foam, or other wasteful packaging
- Store at 4°C to -20°C

Stability

Twelve (12) months from date of manufacture.

Safety warnings and precautions

Practice proper laboratory techniques when handling this product, including protective clothing, gloves, and safety glasses. In case of contact with skin or eyes, wash immediately with water.

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