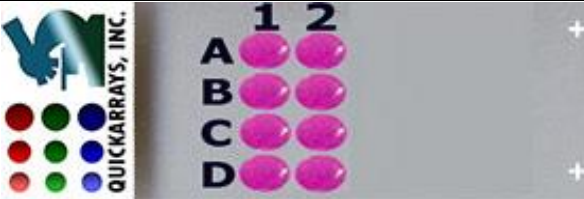


Cat No: CEA081 – CEA IHC control Array

| Lot# | Cores | Size | Cut | Format | QA/QC |  | |
|--------|-------|-------|-----|--------|-------------------|--|--|
| CEA081 | 8 | 1.5mm | 4um | 4X2 | H&E, IHC anti-CEA | | |

Recommended applications: CEA IHC control with strong, moderate, low/negative expressers.

Description: The array contains eight 1.5mm cores duplicated from four cases of appropriate tissue samples. They were fixed in 10% neutral buffered formalin for 24 hours and processed using identical SOPs. Sections were picked onto Superfrost Plus or APES coated Superfrost slides. They can be stored for use at 4C for up to six months from the date of shipment. **There may be 5 to 10% of tissue core loss.** As validated by IHC, A1, 2 is a strong (>3) expresser, B1, 2 is a moderate to strong (2~3) expresser, C1, 2 is weak (1~2) expresser while D1, 2 is weak or non-expresser of the CEA molecule.

| Array position | Sex | Age | Anatomic site | Pathology | Grade | Stage (TNM) | CEA Staining |
|----------------|-----|-----|------------------|----------------|-------|-------------|--------------|
| A01 | F | 61 | Intestine, colon | Adenocarcinoma | I | T3N0M0 | 3.2-3.5 |
| A02 | F | 61 | Intestine, colon | Adenocarcinoma | I | T3N0M0 | 3.2-3.5 |
| B01 | F | 53 | Lung | Adenocarcinoma | II | T2N1M0 | 2.0-2.5 |
| B02 | F | 53 | Lung | Adenocarcinoma | II | T2N1M0 | 2.0-2.5 |
| C01 | M | 66 | Intestine, colon | Normal | | | 0.5-1.0 |
| C02 | M | 66 | Intestine, colon | Normal | | | 0.5-1.0 |
| D01 | M | 73 | Lung | Normal | | | 0.5 |
| D02 | M | 73 | Lung | Normal | | | 0.5 |

Notes: Bake at 60C for ~60 minutes before use. If antigen retrieving is needed, it is important to avoid **direct-boiling and high pH or high strength** antigen retrieving buffer

Certified by: Langxing Pan, M.D., Ph.D.

Interpretation of Pantomics IHC Analysis

"0" is negative. "0.5" is borderline staining with no significance. "1" is weak staining. "1.5" is weak staining with foci of moderate staining. "2" is moderate staining. "2.5" is moderate staining with foci of strong staining. "3" is homogeneous strong staining. "3.5" is very strong and homogeneous staining with no significant background. "4" is over staining usually with background staining.