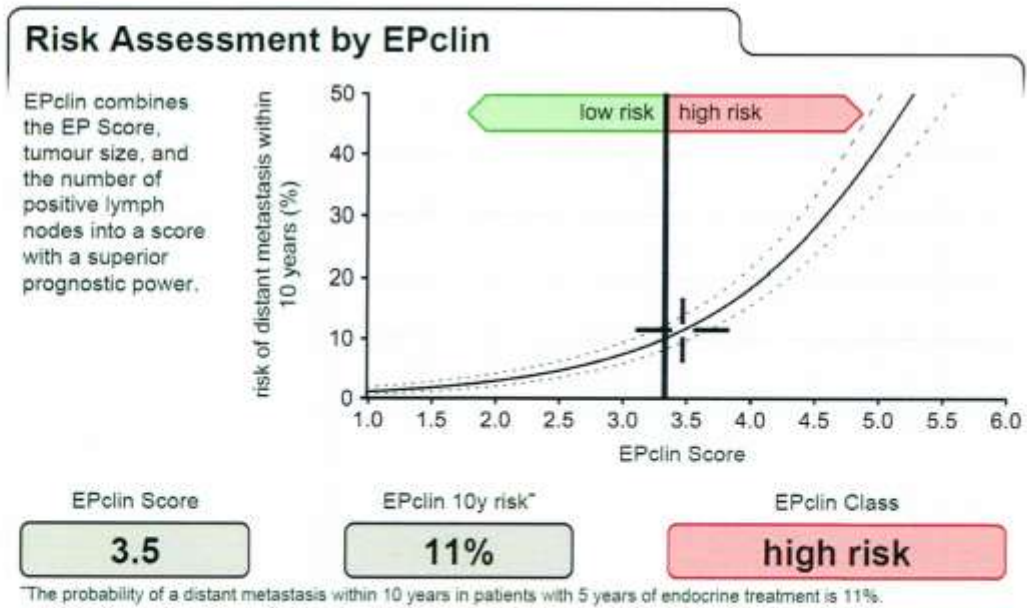
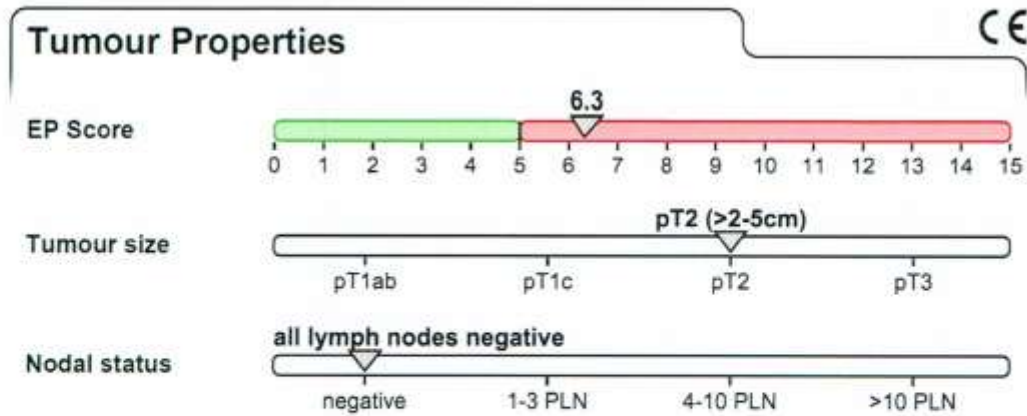


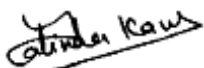
|                           |                               |                   |              |                   |            |
|---------------------------|-------------------------------|-------------------|--------------|-------------------|------------|
| <b>Booked on</b>          | 17/09/2016                    | <b>Patient Id</b> | 011609170262 | <b>Printed on</b> | 07/10/2016 |
| <b>Name</b>               | Mrs. Shamim Kausar            | <b>Age</b>        | 60 Years     | <b>Sex</b>        | F          |
| <b>Ordering Physician</b> | Dr Amit Verma<br>Max Hospital |                   |              |                   |            |

### EndoPredict Report



Based on: Filipits et al. (2011): A new molecular predictor of distant recurrence in ER-positive, HER2-negative breast cancer adds independent information to conventional clinical risk factors. Clinical Cancer Research 17: 6012-6020

Report Released by:



Dr. Jatinder Kaur, PhD  
Head, Molecular Biology & Genomics



Dr. Gulshan Yadav, MD  
Consultant, Pathology

## Quality Control Summary

|                   |   |
|-------------------|---|
| Specimen quality  | ✓ |
| Positive controls | ✓ |
| Negative controls | ✓ |
| Batches           | ✓ |

## Ct Values

|   | 1         | 2         | 3        | 4         | 5         | 6       | 7         | 8         | 9        | 10        | 11         | 12        |
|---|-----------|-----------|----------|-----------|-----------|---------|-----------|-----------|----------|-----------|------------|-----------|
| A | AZGP1 A   | BIRC5 A   | OAZ1 A   | DHCR7 A   | IL6ST A   | MGP A   | CALM2 A   | RBBP8 A   | STC2 A   | UBE2C A   | RPL37A A   | HBB A     |
| B | AZGP1 A   | BIRC5 A   | OAZ1 A   | DHCR7 A   | IL6ST A   | MGP A   | CALM2 A   | RBBP8 A   | STC2 A   | UBE2C A   | RPL37A A   | HBB A     |
| C | AZGP1 A   | BIRC5 A   | OAZ1 A   | DHCR7 A   | IL6ST A   | MGP A   | CALM2 A   | RBBP8 A   | STC2 A   | UBE2C A   | RPL37A A   | HBB A     |
| D | HBB POS   | BIRC5 POS | OAZ1 POS | DHCR7 POS | IL6ST POS | MGP POS | CALM2 POS | RBBP8 POS | STC2 POS | UBE2C POS | RPL37A POS | AZGP1 POS |
|   | 28.10     | 27.12     | 23.41    | 24.51     | 24.11     | 25.89   | 21.01     | 26.36     | 24.75    | 24.84     | 18.98      | 26.44     |
| E | AZGP1 NEG | BIRC5 NEG | OAZ1 NEG | DHCR7 NEG | IL6ST NEG | MGP NEG | CALM2 NEG | RBBP8 NEG | STC2 NEG | UBE2C NEG | RPL37A NE  | HBB NEG   |
|   | No Ct     | No Ct     | No Ct    | No Ct     | No Ct     | No Ct   | No Ct     | No Ct     | No Ct    | No Ct     | No Ct      | No Ct     |
| F | AZGP1 B   | BIRC5 B   | OAZ1 B   | DHCR7 B   | IL6ST B   | MGP B   | CALM2 B   | RBBP8 B   | STC2 B   | UBE2C B   | RPL37A B   | HBB B     |
|   | 21.42     | 27.62     | 22.57    | 26.21     | 22.33     | 19.69   | 21.21     | 24.76     | 22.00    | 26.72     | 19.74      | No Ct     |
| G | AZGP1 B   | BIRC5 B   | OAZ1 B   | DHCR7 B   | IL6ST B   | MGP B   | CALM2 B   | RBBP8 B   | STC2 B   | UBE2C B   | RPL37A B   | HBB B     |
|   | 21.53     | 27.48     | 22.65    | 26.10     | 22.46     | 19.68   | 21.36     | 25.06     | 21.78    | 26.19     | 19.74      | No Ct     |
| H | AZGP1 B   | BIRC5 B   | OAZ1 B   | DHCR7 B   | IL6ST B   | MGP B   | CALM2 B   | RBBP8 B   | STC2 B   | UBE2C B   | RPL37A B   | HBB B     |
|   | 21.65     | 27.71     | 22.79    | 26.14     | 22.67     | 19.75   | 21.34     | 24.86     | 22.02    | 26.52     | 19.83      | No Ct     |

## Controls

Threshold fluorescence: 0.0630

| control      | Ct    | positive        | negative       |
|--------------|-------|-----------------|----------------|
|              |       | limits          | Ct limit       |
| AZGP1        | 26.44 | (24.74 - 27.58) | No Ct (≥36.00) |
| BIRC5        | 27.12 | (24.88 - 29.69) | No Ct (≥36.00) |
| DHCR7        | 24.51 | (23.06 - 25.71) | No Ct (≥36.00) |
| IL6ST        | 24.11 | (22.80 - 25.82) | No Ct (≥36.00) |
| MGP          | 25.89 | (23.95 - 27.33) | No Ct (≥36.00) |
| RBBP8        | 26.36 | (24.55 - 27.71) | No Ct (≥36.00) |
| STC2         | 24.75 | (23.22 - 26.53) | No Ct (≥36.00) |
| UBE2C        | 24.84 | (22.95 - 26.24) | No Ct (≥36.00) |
| CALM2        | 21.01 | (20.01 - 22.60) | No Ct (≥34.00) |
| OAZ1         | 23.41 | (21.63 - 25.11) | No Ct (≥34.00) |
| RPL37A       | 18.98 | (17.92 - 20.16) | No Ct (≥34.00) |
| HBB          | 28.10 | (25.26 - 30.43) | No Ct (≥36.00) |
| specimen HBB |       |                 | No Ct (≥38.00) |

## Delta Ct

| gene                           | dCt      |
|--------------------------------|----------|
| AZGP1                          | 20.16    |
| BIRC5                          | 14.68    |
| DHCR7                          | 15.69    |
| IL6ST                          | 19.45    |
| MGP                            | 21.93    |
| RBBP8                          | 16.51    |
| STC2                           | 19.08    |
| UBE2C                          | 15.13    |
| ∅ Ct values of reference genes | limit    |
| 21.25                          | (≤27.00) |

value out of specification

Ct value omitted in text file

outlier

## Batches

|                            |         | Shelf life |
|----------------------------|---------|------------|
| EndoPredict plate          | D10093W | ✓          |
| qREF                       | Q24U    | ✓          |
| SS III RT/Platinum Taq Mix | E0573   | ✓          |
| 2x Reaction Mix            | M057R   | ✓          |
| qPCR Water                 | H33H    | ✓          |

Software version: V3,1.3, server: www1.endopredict.com, data base: 2016-09-22.

## Test result

EP Score: 6.3      Tumour size: pT2      Nodal status: negative  
 EPclin Score: 3.5      EPclin 10y risk\*: 11%      EPclin Class: high risk

\*The probability of a distant metastasis within 10 years in patients with 5 years of endocrine treatment is 11%.

**NOTE: Clinico-pathological parameters to determine the EPclin are provided by the healthcare provider on the test request form and have not been verified by MolQ or the reference laboratories.**