**DIABETIC RETINOPATHY**

**RESULTS RED LESION:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DATASET | NO OF IMAGES | ACCURACY | SENSITIVITY | SPECIFICITY | R/B | RECALL | F1 | PRECISION |
| IDRiD | 516  Train – 413  Test -103 | 93.3% | 78.5% | - | R | 73.2% | 74.6% | 78.1% |
| KAGGLE APTOS | 5529  Train – 3601  Test –1928 | 94.25% | 80.6% | 92.5% | R | 91.4% | 82.8% | 75.6% |
| DIAREDDB1 | 89 images  84-mild  5-normal | 92.6% | 98.9% | - | R | 99.8% | 90.3% | 97.7% |

**RESULTS BRIGHT LESION:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DATASET | NO OF IMAGES | ACCURACY | SENSITIVITY | SPECIFICITY | R/B | RECALL | F1 SCORE | PRECISION |
| IDRiD | 516  Train – 413  Test -103 | 93.35% | 78.5% | - | B | 80.2% | 80.5% | 78.9% |
| KAGGLE APTOS | 5529  Train – 3601  Test – 1928 | 94.42% | 77.5% | 92.7% | B | 91.4% | 81.5% | 73.5% |
| DIAREDDB1 | 89 images  84-mild  5-normal | 90.8% | 99.1% | - | B | 99.6% | 97.3% | 98.4% |

**FUSION – DIABETIC RETINOPATHY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DATASET | NO OF IMAGES | ACCURACY | SENSITIVITY | SPECIFICITY | FUSION | RECALL | F1 SCORE | Precision |
| IDRiD | 516  Train – 413  Test -103 | 97.32% | 70.5% | - | F | 77.7% | 75.3% | 70.4% |
| KAGGLE APTOS | 5529  Train – 3601  Test – 1928 | 97.23% | 90.2% | 96.6% | F | 96.5% | 92.76% | 89.2% |
| DIAREDDB1 | 89 images  84-mild  5-normal | 95.3% | 98.4% | - | F | 99.8% | 98.1% | 97.5% |