

16.2 ABSORBANCIAS TRAS IRRADIACIÓN

16.2.1 SiHA

| PRIMER EXPERIMENTO | | | |
|--------------------|----------------|----------------|-----------------|
| | Placa 1 | Placa 2 | Placa 3 |
| | 20 min 20cm | 5 min 20 cm | Sin irradiar |
| Control | 0.395 | 0.374 | 0.527 |
| | 0.455 | 0.685 | 0.652 |
| | 0.514 | 0.482 | 0.681 |
| | 0.328 | 0.38 | 0.533 |
| 150 Fe3O4 | 0.665 | 0.734 | 0.746 |
| | 0.554 | 0.593 | 0.773 |
| 15 Fe3O4 | 0.87 | 0.627 | 0.911 |
| | 0.498 | 0.956 | 0.637 |
| | 0.446 | 0.925 | 0.72 |
| 150 Au | 0.473 | 0.626 | 0.692 |
| | 0.559 | 0.858 | 0.677 |
| 15 Au | 0.501 | 0.256 | 0.603 |
| | 0.26 | 0.292 | 0.658 |
| | 0.681 | 1.003 | 0.728 |
| 150 Fe3O4/Au | 0.73 | 0.81 | 0.764 |
| | 0.315 | 0.244 | 0.562 |
| 15 Fe3O4/Au | 0.527 | 0.666 | 0.679 |
| | 0.606 | 0.531 | 0.844 |
| | 0.699 | 0.81 | 0.749 |
| 150 Au/Fe3O4 | 0.247 | 0.531 | 0.761 |
| | 0.701 | 0.488 | 0.731 |
| | 0.447 | 0.505 | 0.568 |
| 15 Au/Fe3O4 | 0.619 | 0.363 | 0.795 |
| | 0.663 | 0.497 | 0.704 |

| SEGUNDO EXPERIMENTO | | | | |
|---------------------|----------------|----------------|-------------------------------|-----------------|
| | Placa 1 | Placa 2 | Placa 3 | Placa 4 |
| | 20 min 20cm | 3 min 10 cm | Incubada a 35°C x 20min | Sin irradiar |
| Control | 0.202 | 0.219 | 0.146 | 0.082 |
| | 0.207 | 0.331 | 0.349 | 0.278 |
| | 0.177 | 0.192 | 0.342 | 0.259 |
| | 0.119 | 0.182 | 0.303 | 0.22 |
| 150 Fe3O4 | 0.068 | 0.152 | 0.123 | 0.227 |
| | 0.256 | 0.207 | 0.208 | 0.164 |
| 15 Fe3O4 | 0.199 | 0.138 | 0.172 | 0.125 |
| | 0.187 | 0.164 | 0.228 | 0.174 |
| | 0.186 | 0.188 | 0.205 | 0.159 |
| 150 Au | 0.246 | 0.176 | 0.195 | 0.136 |
| | 0.178 | 0.207 | 0.297 | 0.218 |
| 15 Au | 0.171 | 0.218 | 0.27 | 0.187 |
| | 0.204 | 0.186 | 0.326 | 0.309 |
| | 0.212 | 0.188 | 0.293 | 0.22 |
| 150 Fe3O4/Au | 0.13 | 0.181 | 0.326 | 0.261 |
| | 0.149 | 0.163 | 0.237 | 0.194 |
| 15 Fe3O4/Au | 0.285 | 0.188 | 0.292 | 0.175 |
| | 0.157 | 0.199 | 0.326 | 0.275 |
| | 0.141 | 0.241 | 0.352 | 0.413 |
| 150 Au/Fe3O4 | 0.149 | 0.154 | 0.331 | 0.218 |
| | 0.211 | 0.157 | 0.385 | 0.28 |
| | 0.212 | 0.191 | 0.231 | 0.182 |
| 15 Au/Fe3O4 | 0.174 | 0.202 | 0.329 | 0.201 |
| | 0.226 | 0.236 | 0.417 | 0.267 |

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| PRIMER EXPERIMENTO | | | |
|--------------------|----------------|----------------|--------------|
| | Placa 1 | Placa 2 | Placa 3 |
| | 20 min 20cm | 5 min 20 cm | Sin irradiar |
| Control | 0.257 | 0.383 | 0.295 |
| | 0.257 | 0.437 | 0.401 |
| | 0.38 | 0.65 | 0.466 |
| | 0.497 | 0.389 | 0.437 |
| 150 Fe3O4 | 0.316 | 0.555 | 0.608 |
| | 0.47 | 0.53 | 0.571 |
| 15 Fe3O4 | 0.33 | 0.658 | 0.555 |
| | 0.349 | 0.451 | 0.495 |
| | 0.375 | 0.542 | 0.585 |
| 150 Au | 0.473 | 0.515 | 0.502 |
| | 0.505 | 0.407 | 0.506 |
| 15 Au | 0.304 | 0.39 | 0.383 |
| | 0.473 | 0.471 | 0.341 |
| | 0.609 | 0.572 | 0.527 |
| 150 Fe3O4/Au | 0.467 | 0.56 | 0.636 |
| | 0.25 | 0.398 | 0.344 |
| 15 Fe3O4/Au | 0.306 | 0.503 | 0.413 |
| | 0.314 | 0.455 | 0.487 |
| | 0.311 | 0.489 | 0.617 |
| 150 Au/Fe3O4 | 0.357 | 0.52 | 0.598 |
| | 0.343 | 0.533 | 0.599 |
| | 0.394 | 0.429 | 0.346 |
| 15 Au/Fe3O4 | 0.293 | 0.584 | 0.63 |
| | 0.269 | 0.473 | 0.406 |

| SEGUNDO EXPERIMENTO | | | | |
|---------------------|----------------|----------------|-------------------------------|-----------------|
| | Placa 1 | Placa 2 | Placa 3 | Placa 4 |
| | 20 min 20cm | 3 min 10 cm | Incubada a 35°C x 20min | Sin irradiar |
| Control | 0.145 | 0.269 | 0.177 | 0.44 |
| | 0.362 | 0.567 | 0.344 | 0.374 |
| | 0.419 | 0.613 | 0.4 | 0.706 |
| | 0.391 | 0.353 | 0.5 | 0.647 |
| 150 Fe3O4 | 0.156 | 0.345 | 0.22 | 0.553 |
| | 0.431 | 0.593 | 0.484 | 0.478 |
| 15 Fe3O4 | 0.252 | 0.401 | 0.361 | 0.289 |
| | 0.506 | 0.509 | 0.578 | 0.559 |
| | 0.445 | 0.449 | 0.549 | 0.531 |
| 150 Au | 0.312 | 0.521 | 0.475 | 0.498 |
| | 0.196 | 0.383 | 0.449 | 0.229 |
| 15 Au | 0.426 | 0.669 | 0.44 | 0.613 |
| | 0.47 | 0.572 | 0.683 | 0.693 |
| | 0.48 | 0.484 | 0.594 | 0.654 |
| 150 Fe3O4/Au | 0.419 | 0.392 | 0.508 | 0.722 |
| | 0.255 | 0.334 | 0.548 | 0.743 |
| 15 Fe3O4/Au | 0.441 | 0.24 | 0.576 | 0.715 |
| | 0.403 | 0.107 | 0.485 | 0.665 |
| | 0.287 | 0.455 | 0.392 | 0.425 |
| 150 Au/Fe3O4 | 0.47 | 0.4 | 0.553 | 0.691 |
| | 0.39 | 0.237 | 0.503 | 0.571 |
| | 0.407 | 0.496 | 0.667 | 0.605 |
| 15 Au/Fe3O4 | 0.291 | 0.321 | 0.475 | 0.5 |
| | 0.379 | 0.588 | 0.378 | 0.604 |

16.2.3 HACAT

| PRIMER EXPERIMENTO | | |
|----------------------------------------|-------------|-------------|
| | Placa 1 | Placa 2 |
| | 20 min 20cm | 3 min 10 cm |
| Control | 0.074 | 0.172 |
| | 0.233 | 0.462 |
| | 0.339 | 0.629 |
| | 0.651 | 0.181 |
| 150 Fe ₃ O ₄ | 0.179 | 0.173 |
| | 0.506 | 0.405 |
| 15 Fe ₃ O ₄ | 0.159 | 0.298 |
| | 0.493 | 0.497 |
| | 0.504 | 0.461 |
| 150 Au | 0.494 | 0.38 |
| | 0.262 | 0.259 |
| 15 Au | 0.664 | 0.619 |
| | 0.595 | 0.598 |
| | 0.607 | 0.466 |
| 150 Fe ₃ O ₄ /Au | 0.515 | 0.368 |
| | 0.273 | 0.153 |
| 15 Fe ₃ O ₄ /Au | 0.648 | 0.166 |
| | 0.313 | 0.146 |
| | 0.401 | 0.291 |
| 150 Au/Fe ₃ O ₄ | 0.605 | 0.457 |
| | 0.619 | 0.24 |
| | 0.561 | 0.42 |
| 15 Au/Fe ₃ O ₄ | 0.404 | 0.293 |
| | 0.59 | 0.61 |