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| Strain | Source | Substrate and growth condition | Extraction procedure |
| *P. aeruginosa* USM AR2 | A local crude oil sample Source | - Culture medium: 0.6% (w/v)yeast extract, 0.05% (w/v)MgSO47H2O, 0.05% (v/v) Tween80, and 30 mL diesel oil/pH 5.0/27 ◦C | - Centrifugation |
| *P. aeruginosa* (ATCC10145) | American Type CultureCollection | - Culture medium: 50% olive oil mill wastewater or whey- 100 or 200 rpm- 30 or 37 ◦C/PH 7.0/96 h | - Centrifugation, acidification, andextraction using ethyl acetate  |
| *P. aeruginosa* LBI |  | Mineral slat medium- 30 ◦C | - Centrifugation and absorption |
| *P. aeruginosa* S6 | Oil-containing wastewater | Nutrient medium- 165 rpm/30 ◦C/pH 7.5/48 h | Centrifugation and acidification |
| *P. aeruginosa* DR1 | Rice rhizosphere | Mineral slat medium withdiﬀerent concentrations/30 ◦C- Harvesting 24 h till 120 h | Centrifugation, acidification, and extraction with chloroform–methanol |
| *P. aeruginosa* P20 | Institute of MedicalResearch, Malaysia | - Mineral slat medium- Carbon source: 1% (v/v) crude oil- 150 rpm/40 ◦C/7 d | - Centrifugation and solventextraction |
| *P. aeruginosa* 57RP | A hydrocarbon-contaminated soil | - Iron-limited mineral saltsmedium supplemented with 2% (w/v) mannitol- 150 rpm/30 ◦C/pH 6.7/ 359 h | - Centrifugation and filtration |
| *P. aeruginosa* ATCC9027 | American Type CultureCollection | PPGAS medium- 250 rpm- 37 ◦C | Centrifugation, acidification, and extraction with chloroform–ethanol |
| *P. aeruginosa* strain-PP2 | Soil Contaminated with oil | Crude whey/150 rpm/ 30 ◦C- pH 7.0/96h | - Centrifugation |
| *P. aeruginosa* PA1 | NM a | Culture medium (g L—1): NaNO3 1.0, KH2PO4 3.0, K2HPO4 7.0,MgSO47H2O 0.2, 0.5% yeastextract, peptone 0.5%, and 3% | - Centrifugation, using reverse osmosis process, and purification |
| *P. aeruginosa* BYK-2KCTC 18012P | The southern sea of Korea | Basal salts medium- Fish oil and urea as the carbonand nitrogen source- 180 rpm/25 ◦C/40 h | Centrifugation |
| *P. aeruginosa* SP4 | Petroleum-contaminatedsoil (Thailand) | - Mineral medium + palm oil- 200 rpm- 37 ◦C/22 h | Centrifugation |
| *P. aeruginosa* CPCL(GQ241355) | A petroleum contaminatedsite located in Chennai | - Mineral medium- pH 7.0 0.2 | - Acidification, extraction And concentration |
| *P. fluorescens* PMMD3 | The biofilm formed onmetal coupons India | Minimal salt medium- Paraﬃn as carbon source- 35 ◦C | - Acidification and extraction usingequal volume of chloroform and ethanol (2 : 1) mixture |
| *P. aeruginosa* PAO1 | Source | Substrate and growth condition- 37 ◦C/6 d (batch) and 10 d  | Extraction procedure |
| *P. aeruginosa* DN1 | Petroleum contaminatedsoil | - BPLM supplemented with palm oil and sodium nitrate as the nitrogen/ 7 d | - Centrifugation, and extraction using chloroform and methanol ethyl acetate |
| *P. aeruginosa* 6k11 | Soil withcrude-oil (Talara, Peru) | Mineral salt medium- 140 rpm- 37 ◦C- pH 6.8/250 h | Centrifugation, acidification, and extraction using ethanol andchloroform |
| *P. aeruginosa* PAO1 | NM | - BM2 minimal medium- 170 rpm- 37 ◦C/6 and 24 h | Solvent extraction- Freezing and using subsequent phase separation |
| *P. aeruginosa* PAO1 | M. Foglino, Marseille,France | PPGAS medium- 37 ◦C- pH 7.2 | Identifying and quantifyingrhamnolipids using LC-MS |
| *P. cepacia* CCT669 | The culture collection ofthe Andr´e Tosello  | Mineral medium- 200 rpm/27 ◦C/pH 7 | - Centrifugation, acidification |
| *P. aeruginosa* 57RP | Hydrocarboncontaminated soil | - Iron-limited mineral saltsmedium (MSM) 2% (w/v) mannitol/200 rpm | - Centrifugation and filtration- Adding an internal standard (hydroxyhexadecanoic acid) |
| *P. aeruginosa* ICP70 | Oily sludge | - Culture medium (per dm—3 of drinking water): glycerol, 30.5 cm3; MgSO4, 0.1 g; K2HPO4, 7 g; KH2PO4, 3 g; (NH4)2SO4- 140 rpm/305 K/pH 6.5–7.0 | Thioglycolic acid method |
| *P. aeruginosa* ATCC9027 | SourceAmerican Type CultureCollection | Substrate and growth condition- Mineral salts medium- 200 rpm/37 ◦C/pH 7.0/96 h | - Extraction procedure- Centrifugation- Concentrating - Chromatography |